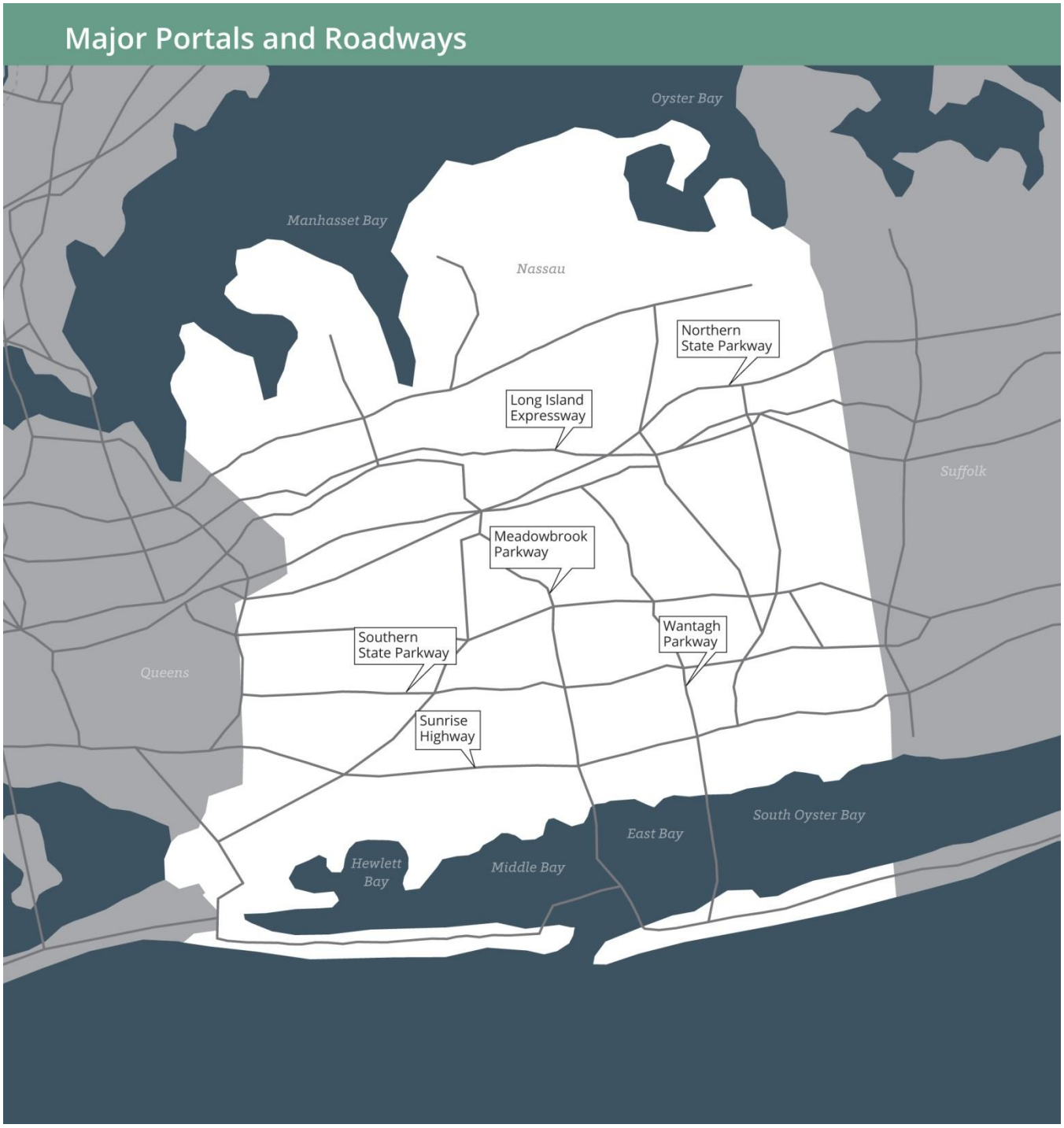
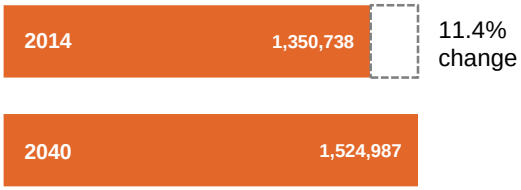
6.4 Nassau

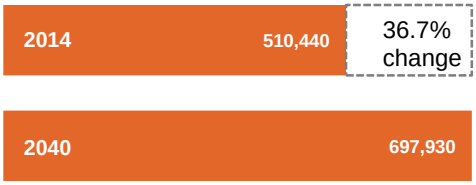

Major Portals and Roadways
Oyster Bay
Manhasset Bay
Nassau
Northern State Parkway
Long Island Expressway
Suffolk
Meadowbrook Parkway
Wantagh Parkway
Southern State Parkway
Queens
Sunrise Highway
South Oyster Bay
East Bay
Hewlett Bay
Middle Bay

Population and Travel Characteristics

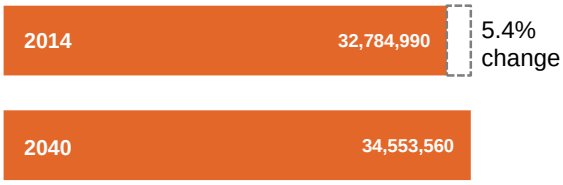
Population

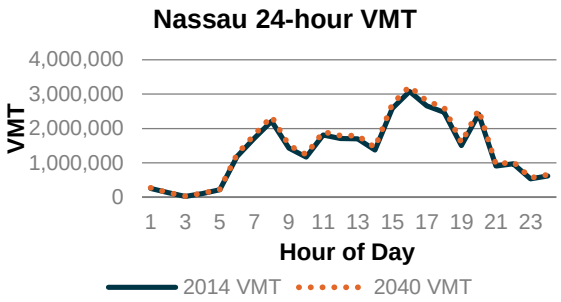


VHD Daily Totals

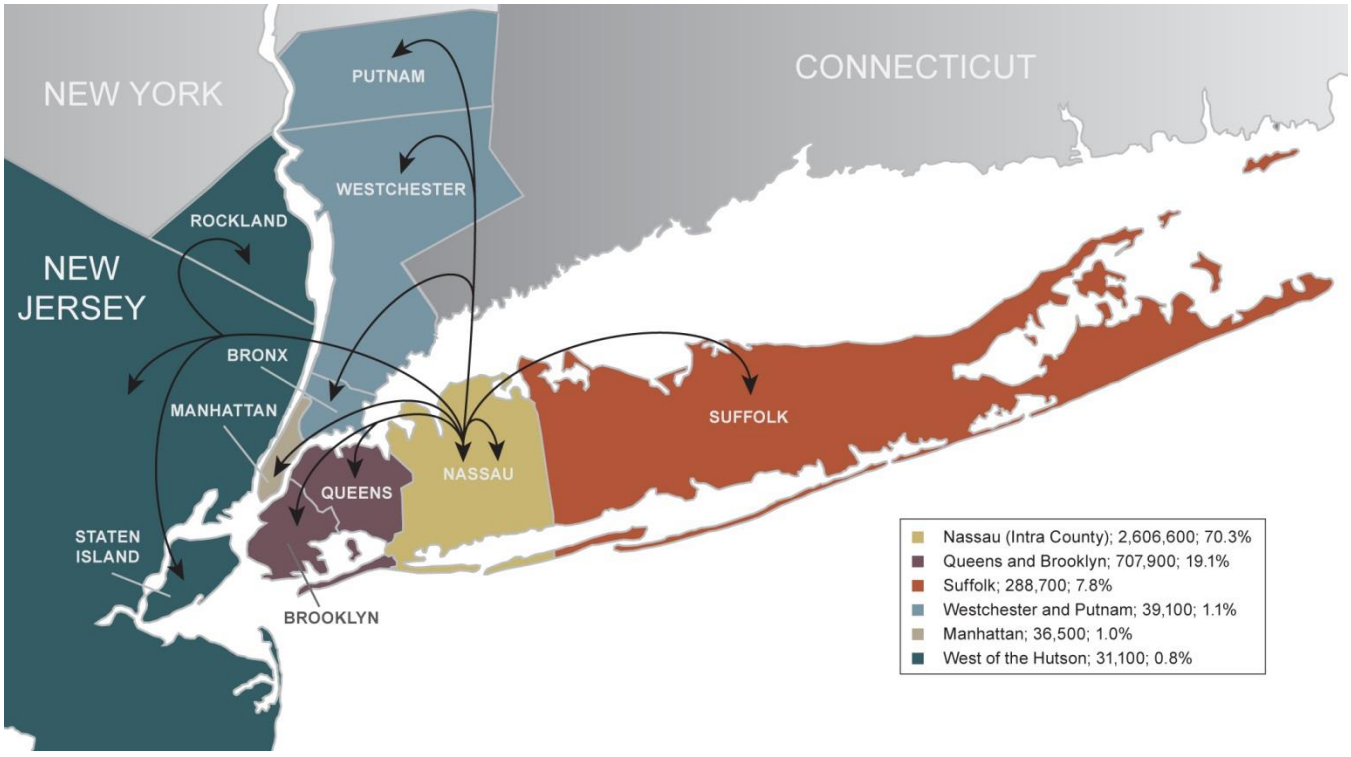


VMT Daily Totals





Two-Way Trips between The Bronx and Other Counties in the New York Metro Area



Performance Measures
County: Nassau

Scenario 2014

Facility Type	D/C	0.8<= D/C<=1	D/C>1	LMC	TTI	ATS	VHD	PHD	VMT
AM Period (6 to 10 AM)									
Freeway	0.54	11%	9%	383.6	1.22	43.1	14,050	24,587	2,524,246
Arterial	0.37	4%	3%	192.8	1.24	18.5	47,806	83,661	2,579,837
Local	0.24	1%	1%	7.7	1.01	24.5	2,618	4,582	1,416,813
PM Period (4 to 8 PM)									
Freeway	0.27	4%	5%	257.7	1.13	45.4	11,276	19,733	2,243,362
Arterial	0.14	1%	1%	64.3	1.09	22.4	22,491	39,360	1,796,016
Local	0.09	0%	0%	3.3	1.00	24.9	1,207	2,111	921,963
Daily Total									
Freeway	0.48	10%	12%	2355.3	1.28	42.6	119,404	208,956	12,345,835
Arterial	0.32	4%	4%	1742.1	1.26	19.5	362,728	634,774	13,007,431
Local	0.23	2%	2%	82.3	1.02	24.4	28,311	49,545	7,431,725
Total							**510,443**	**893,275**	**32,784,992**

Scenario 2040

Facility Type	D/C	0.8<= D/C<=1	D/C>1	LMC	TTI	ATS	VHD	PHD	VMT
AM Period (6 to 10 AM)									
Freeway	0.56	12%	11%	435.1	1.28	41.3	20,316	35,553	2,588,195
Arterial	0.41	5%	4%	303.3	1.29	17.6	65,890	115,307	2,812,380
Local	0.27	2%	2%	8.9	1.02	23.9	3,476	6,083	1,522,269
PM Period (4 to 8 PM)									
Freeway	0.29	4%	6%	332.6	1.18	43.6	18,122	31,714	2,361,340
Arterial	0.15	1%	1%	103.7	1.11	21.6	29,327	51,322	1,904,471
Local	0.10	0%	0%	4.5	1.01	24.3	1,564	2,737	963,022
Daily Total									
Freeway	0.50	10%	13%	2674.3	1.34	40.9	154,401	270,202	12,668,093
Arterial	0.36	5%	5%	2414.1	1.32	18.6	506,509	886,390	13,985,225
Local	0.25	2%	3%	117.4	1.02	23.8	37,021	64,786	7,900,242
Total							**697,930**	**1,221,378**	**34,553,560**

D/C = Demand to Capacity; LMC = Lane Miles of Congestion; TTI = Travel Time Index; ATS = Average Travel Speed; VHD = Vehicle Hours of Delay; PHD = Person Hours of Delay; VMT = Vehicle Miles Traveled

Note: D/C = average Demand to Capacity for the particular facility type and period. The "0.8<=DC<=1" and "D/C>1" are the percent of travel that occurs in various conditions (somewhat congested and very congested).

Percentage Difference Between 2040 and 2014 Performance Measures

Facility Type	D/C	0.8<= D/C<=1	D/C>1	LMC	TTI	ATS	VHD	PHD	VMT

AM Period (6 to 10 AM)									
Freeway	4%	–	–	13%	5%	-4%	45%	45%	3%
Arterial	11%	–	–	57%	4%	-5%	38%	38%	9%
Local	13%	–	–	15%	1%	-2%	33%	33%	7%
PM Period (4 to 8 PM)									
Freeway	7%	–	–	29%	4%	-4%	61%	61%	5%
Arterial	7%	–	–	61%	2%	-3%	30%	30%	6%
Local	11%	–	–	35%	1%	-2%	30%	30%	4%
Daily Total									
Freeway	4%	–	–	14%	5%	-4%	29%	29%	3%
Arterial	13%	–	–	39%	5%	-4%	40%	40%	8%
Local	9%	–	–	43%	0%	-3%	31%	31%	6%
Total							**37%**	**37%**	**5%**

Nassau – Congested Corridors

20. **I-495/Long Island Expressway from Queens County Boundary to Suffolk County Boundary –** The westernmost portion of this stretch of I-495 (from the Queens County Boundary to Mineola/Willis Avenue) is part of the 16th highest-ranked corridor in the United States in terms of Congestion Cost in the TTI Report. The entire length of I-495 in Nassau County regularly experiences severe congestion mostly (but not exclusively) during peak commuting periods and around summer weekends, due to insufficient mainline capacity, frequent merges and weaves, and heavy truck usage. The eastbound direction is generally heaviest in evening peaks and on summer Fridays. The westbound direction is generally heaviest in morning peaks and on summer Sundays. The heavy usage of this road by trucks (I-495 is the only east-west limited-access highway in Nassau County on which trucks are permitted) causes the economic cost of the congestion on I-495 to be very high.

21. **Northern State Parkway (NSP) from Queens County Boundary to Suffolk County Boundary –** Essentially the same story as 20, except that congestion is not quite as severe and trucks are not permitted on this road.

22. Southern State Parkway from Queens County Boundary to Suffolk County Boundary – Essentially the same story as 21.

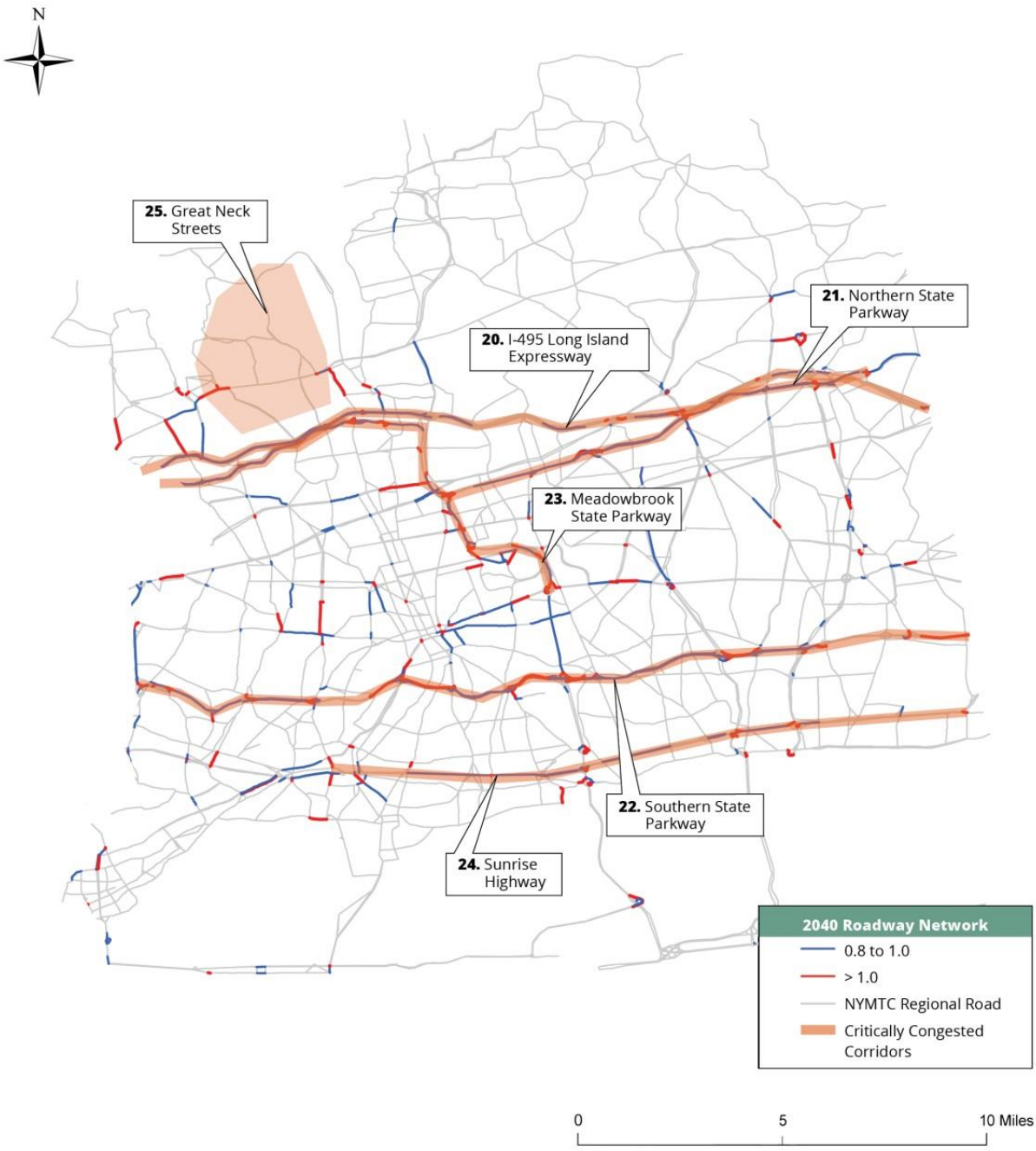
23. **Meadowbrook State Parkway from Hempstead Turnpike to the Northern State Parkway –** Heaviest-traveled north-south road in the county. Abuts the Nassau "Hub" area containing Roosevelt Field, Nassau Community College, the Nassau Veterans Memorial Coliseum, Hofstra University, and other shopping centers and major generators. The northbound direction is generally heaviest in morning peaks and the southbound direction is generally heaviest in evening peaks.

24. **NY-27/Sunrise Highway from Peninsula Boulevard to the Suffolk County Boundary –** This heavily traveled six-lane arterial has frequent signalized intersections and abuts major retail and other commercial centers as well as active Long Island Rail Road (LIRR) stations. It also carries the second highest (after I-495) east-west truck volume among Long Island highways. The eastbound direction is generally heaviest in evening peaks. The westbound direction is generally heaviest in morning peaks. There is significant pedestrian activity, particularly in the vicinity of the LIRR stations.

25. **Great Neck/Manhasset Streets –** The Great Neck/Manhasset area is a large employment center with three main centers: first, the area around the Great Neck LIRR station, second, the North Shore University Hospital complex and surrounding medical buildings on Community Drive and Northern Boulevard, and third, the concentration of retail and office space along Northern Boulevard east of

Community Drive. Because this area is a peninsula with access only via a limited number of arterial streets, these streets experience heavy congestion during peak commuting periods (primarily northbound in the morning and southbound in the evening. In addition, NY Route 25A (Northern Boulevard) also traverses this area in an east-west orientation, providing access as well as carrying spillover traffic from I-495 and the NSP.

Nassau: Congested Corridors and Hot Spot Areas (AM Period)



Nassau: Congested Corridors and Hot Spot Areas (PM Period)